

YELANSKII, N.N., prof.

Current problems of gastric surgery. Khirurgiia 40 no.4:6-15
Ap '64 (MIRA 18:1)

1. Kafedra fakultetskoy Khirurgii (zav. - prof. N.N. Yelanskiy)
I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M.
Sechenova.

YELANSKIY, N.N. (deceased); BUKHTEYeva, N.F.; NIKOLAYEV, A.V.

Treatment of thrombophlebitis of the lower extremities. Khirurgija
40 no.11:9-15 N '65. (MIRA 18:7)

1. Kafedra fakul'tetskoy khirurgii (zav. - prof. N.N.Yelanskiy
(deceased)) I Moskovskogo ordena Lenina meditsinskogo instituta imeni
Sechenova.

SAMSONOVA, A.N.; RESINA, N.G.; YELANSKIY, N.S.

New technology in manufacturing carrot juice. Kons. i ov. prom.
14 no. 3:18-21 Mr '59. (MIRA 12:3)

1. TSentral'nyy nauchno-issledovatel'skiy institut konservnoy i ovoshcheshushil'noy promyshlennosti (for Samsonova, Resina).
2. Perechskiy konservnyy zavod (for Yelanskiy).
(Vegetable juices)

YELANSKIY, N.S.

New types of products at the Porech'ye Canning Factory.
Kons. i ov. prom. 14 no.7:40-41 Jl '59. (MIRA 12:9)

1. Direktor Porechskogo konservnogo zavoda.
(Porech'ye--Food, Canned)

YELANSKIY, N.S.

Porechye Canning Plant on the upswing. Kons. i sv. prom. 13
(MIRA 16:9)
no.9:1-3 S '63.

1. Porechskiy konservnyy zavod.
(Porechye-Rybnoye—Canning industry)

YELANSKIY, V.A.

A

USSR/General Section

Abs Jour : Referat Zhur - Fizika, No 5, 1957, No 10756

Author : Yelanskiy, V.A.

Inst : Not given

Title : Homemade Three Phase Transformer.

Orig Pub : Fizika v shkole, 1956, No 6, 74-75

Abstract : No abstract.

Card 1/1

YELANSKIY, V.A.

47-5-11/16

AUTHOR: Yelanskiy, V.A. (Novochevorkassk)

TITLE: Set of Devices for Three-Phase Current (Nabor priborov po trakhfaznomu toku)

PERIODICAL: Fizika v Shkole, September-October 1957, No 5, pp 74-77 (USSR)

ABSTRACT: Factory No 4 "Fizelektropribor" (Physical and electrical devices) of the Main Administration for Factories of the School Equipment Industry, RSFSR Ministry of Education (Glavuchtekiprom ministerstva prosveshcheniya RSFSR) manufactures a set of devices for three-phase current consisting of a three-phase generator, starter for a three-phase motor, constant magnet, electromagnet, box-support for the generator, brushholder, two panels with bulbs, bracket, a special rotor and 5 other accessories. By means of these devices the following experiments can be demonstrated: Production of a three-phase current, the circuit of a three-phase current, the model of an industrial generator, experiments with a rotating magnetic field. The article contains 9 photos.

ASSOCIATION: The Suvorov School at Novochevorkassk (Suvorovskoye uchilishche, Novochevorkassk)

AVAILABLE: Library of Congress

Card 1/1

YELANSKIY, V.A. (Novocherkassk)

Devices for experimenting with alternating current. Fiz.v
shkole 20 no.1:81-84 Ja-F '60. (MIRA 14:10)
(Electric machinery--Alternating current)

YELANSKIY, V.A. (Novocherkassk)

Experimental determination of the relationship between the charge
and mass of an electron. Fiz.v shkole 21 no.4:84-86 J1-Ag '61.
(MIRA 14:10)
(Electrons—Study and teaching)

YELANSKIY, V.A. (Novocherkassk)

Device for studing the properties of a rotating magnetic field.
Fiz. v shkole 23 no.4:69-70 J1-Ag '63. (MIRA 17:1)

YELANTSEV, A.

Let's organize the planning of fuel expenditures. Mor.flot 15
no.10:13-14 0'55. (MLRA 8:12)

1. Starshiy inzhener MSS Sakhalinskogo parokhodstva
(Merchant marine) (Fuel)

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001962520012-3

ROZEN, A.M., doktor khim. nauk; LAPATOK, L.I., inzh.; YEVSTAF'EV, B.V., inzh.

Hydraulic modeling of reflux apparatus of large diameter. Khim.
i neft. mashinostr. no.4:14-18. O '64.

(MIRA 17:12)

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001962520012-3"

YELANTSEV, B.V.

Preoperative penicillin saturation and its significance in laryngectomy.
Vest. otorinolar. 13 no.2:81 Mar-Apr 51. (CIML 20:8)

1. Professor at Alma-Ata.

YELANTSEV, B.V.

Histopathology of the mucous membrane of the upper respiratory tract
in experimental brucellosis. Vest. otorinol., Moskva 14 no.2:7(=73
Mar-Apr 1952. (CIML 22:1)

1. Professor for Yelantsev. 2. Of the Department for Diseases of the
Ear, Throat, and Nose, Kazakh Medical Institute.

YELANTSEV, B. V. : DUNAYVITSER, B. I.

Effect of prolonged application of hearing aids on hearing acuity. Vest. otorinol., Moskva 15 no.5: 12-18 Sept-Oct 1953
(CML 25:5)

1. Professor for Yelantsev; Candidate Medical Sciences for Dunayvitser. 2. Of the Clinic for Diseases of the Ear, Throat, and Nose (Director --Prof. B.V. Yelantsev), Kazakh Medical Institute, Alma Ata.

YELANTSEV, B.V.

[Operative otorhinolaryngology] Operativnaya otorinolaringo-
logiya. Alma-Ata, Kazgosizdat, 1959. 482 p.

(MIRA 13:?)

(OTOLARYNGOLOGY)

DRUY, M.M., inzh.; YELANTSEV, V.V., inzh.; SAL'KOV, P.G., kand.tekhn.nauk

Studying two-stage pulverized coal combustion in connection with a
new air regulation system. Elek.sta. 29 no.8:12-16 Ag '58.
(MIRA 11:11)

(Ccoal, Pulverized) (Boilers--Furnaces)

YELANTSEVA, V.R.

Goitrogenic reaction of the thyroid in administration of substances
having effect on the central nervous system. Doklady Akad. nauk
SSSR 81 no.6:1167-1170 21 Dec 51. (CIML 21:5)

1. Presented by Academician A.D. Speranskiy 27 October 1951.
2. Kazakh Medical Institute imeni V.M. Molotov, Alma-Ata.

ALEYEV, A.M.; YELANTSEVA, V.R.; DZHUMAGALIYEV, M.

Influence of the ultra-high frequency field on the course of experimental echinococcus. Zdrav. Kazakh. 21 no. 4:75-78 '61. (MIRA 14:4)

1. Iz kafedry biologii s parazitologiyey Kazakhskogo meditsinskogo instituta.

(HYDATIDS) (ELECTROTHERAPEUTICS)

YELANTSEVA, V.R. and DZHUMAGALIYEVA, M.

"On the Effect of an UFF Field on the Larval Stage of the
Echinococcus."

report presented at the Conference on the Natural Foci of Diseases and Problem of
Parasitology. Alma Ata, 1959, Sep.

YELANTSEVA, V. R.

Cand Biol Sci - (diss) "Reactivity of the thyroid gland as a function of the state of the higher levels of the nervous system." Alma-Ata, 1961. 16 pp; (Ministry of Higher and Secondary Specialist Education Kazakh SSR, Alma-Ata Zooveterinary Inst); 200 copies; price not given; (KL, 7-61 sup, 227)

YELASHKIN, V., inzh.

Construction Trust of the Kustanay Economic Council. Izobr.i rats.
no.2:24 F '62. (MIRA 15:3)

1. Byuro po delam ratsionalizatsii i izobretatel'stva tresta
Kustanaysovkhозstroy.
(Kustanay—Construction industry)

GULYAYEV, V.N.; YELASHOV, Yu.G.

Cleidocranial dysostosis. Ortop., travm.i protez. no.7:64-65
'61. (MIRA 14:8)

1. Iz Saratovskogo instituta travmatologii i ortopedii (dir. -
dotsent Ya.N. Rodin). (DYSOSTOSIS)

YELASHOV, Yu.G.; KISHKOVSKIY, A.N. (Leningrad, K-9, Lesnoy prospekt, d.4, kv. 11)
LINDENBRATEN, L.D.; PIKULEV, L.A.

Roentgenography with direct enlargement of the image. Vest. rent.
1 rad. 36 no. 2:25-28 Mr-Ap '61. (MIRA 14:4)
(RADIOLOGY, MEDICAL)

ROZENSHTRAUKH, L.S., prof.; AKIROCHKINA, Z.Ye., kand. med. nauk;
YELASHOV, Yu.G., kand. med. nauk; KAZAKOVA, L.N., kand.
med. nauk; KAZANTSEVA, N.S., kand. med. nauk;
KISHKOVSKIY, A.N., kand. med. nauk; RABKIN, I.Ye., kand.
med. nauk; ALIYEVA, M.S., kand. med. nauk; ASLAMAZOV,
E.G., kand. med. nauk; LINDENBRATEL, L.D., prof., red.

[Variations and anomalies in the development of organs and
systems in man in X-ray observations] Varianty i anomalii
razvitiia organov i sistem cheloveka v rentgenovskom izob-
razhenii; nauchno-metodicheskoe posobie. Moskva, Gos.
izd-vo med. lit-ry, 1963. 1 v. (MIRA 17:7)

ZEDGENIDZE, G.A., prof.; YELASHOV, Yu.G., kand.med.nauk

"Film defects in X-ray practice" by E.A.Zimmer. Med.rad. 8
no.2:13-18 F'63 (MIRA 16:11)

1. Deyatvitel'nyy chlen AMN SSSR (for Zedgenidze).

X

ZEDGENIDZE, G.A., prof.; YELASHOV, Yu.G., kand.med.nauk

Review of I.Wellauer's book "Iyelography with positive contrast media". Med. rev. 8 no.3:82 Mr '63. (MIRA 17:9)

1. Deystvitel'nyy chlen AMN SSSR (for Zedgenidze).

ZEDGENIOZE, G.A.; YELASHOV, Yu.G.

"Gamma (^{60}Co) teletherapy in oncology; principles, dosimetry,
basic methodology". Med. rad. 9 no.2:108-109 F '64.
(MIRA 17:9)

LINDENBRATEN, L.D.; YELASHOV, Yu.G.; LEVCHENKO, V.M.

Scientific research on radiology and roentgenology in medical institutes of the R. S. F. S. R. Med. rad. 10 no.1:65-69 Ja '65.
(MIRA 18:7)

1. Uchenyy komitet meditsinskoy radiologii (predsedatel' -
deystvitel'nyy chefn AMN SSSR prof. G.A.Zedgenidze) pri
Ministerstve zdravookhraneniya SSSR.

YELASHOV, Yu.G.; KOZLOVA, A.V.; LYASH, F.M.; MAMELITSVAYG, I.B.;
SINTSIN, R.V.; FRANKEL', V.K.

8th All-Union Congress of Roentgenologists and Radiologists.
Med. rad. 10 no.2:80-94 F '65. (MIRA 18:6)

L 24239-66 EWT(1)/EMI(m)/T JK

ACC NR: AP6014675

SOURCE CODE: UR/0241/65/010/010/0089/0093

AUTHOR: Yelashov, Yu. G.; Uklonskaya, L. I. (Obninsk)55
54

ORG: none

B

TITLE: First scientific session of the Institute of Medical Radiology, Academy of Medical Sciences SSSRSOURCE: Meditsinskaya radiologiya, v. 10, no. 10, 1965, 89-93

TOPIC TAGS: therapeutics, dosimetry, pharmacology, rat, radiation biologic effect, pathogenesis, alpha radiation, medical conference radiology, biosynthesis, RNA, x ray irradiation, gamma irradiation, antibody, thyroid gland

ABSTRACT: The session was held in Obninsk between 29 and 31 March 1965, and it was attended by more than 200 persons, including scientists from Moscow, Leningrad, Tbilisi, and other cities. The papers presented at the session pertained to the following subjects: biophysical analysis of the primary biological effect of radiation; pathogenesis of the consequences of somatic radiation injuries; an immunogenetic theory of the consequences of radiation injury; alpha-radiation as a factor changing the functional properties of the neuro secretory substance of the hypothalamus; disturbances in coagulability of the blood in acute radiation sickness; effect of certain radioprotectors on hemocirculatory disorders in the lungs in radiation sickness, the genetic effects of radiation; uses of radioisotope-based diagnostic techniques in the clinic of internal diseases; calculation of the minimum required concentration

UDC: 615.849.7(063)(47)"1965"

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ACC NR: AP6014675

of the neutron capturing nuclido in tumors located at different depths, for incident neutrons with energies of up to 10 mev; the planning and coordination of scientific research in medical radiology and roentgenology; investigation of the biological activity of free radicals by the chemoluminescence method; investigation of radiation injuries to the matrix structures of the cell nucleus; biosynthesis of different RNA fractions following x-irradiation; the possibility of preventing irreversible radiation injuries to cells; quantitative changes in cells with chromosome aberrations following gamma-irradiation; the blastomogenic effect of radiation; circulatory disturbances due to ionizing radiation; changes in the antigenic properties of tissues of the spleen, lymph nodes and other organs, and the appearance of complement-fixing antibodies in rabbits following their multiple intake of Zn65; the effect of radiation on the thyroid gland; distribution of Cs137 in the rat, following intratracheal administration; migration of certain radioactive isotopes in elementary natural biogeocenoses, etc. The remaining papers pertained to the pharmacological properties of certain radioactive substances, radiation therapy and dosimetry, radiosurgical therapy of malignant tumors, etc. Altogether, 89 papers were presented and discussed. The Session represents a major milestone in the history of scientific research into medical radiology and roentgenology. [JPRS]

SUB CODE: 06, 20 / SUBM DATE: none

Card 2/2ddc

ZEDGENIDZE, G.A.; CHERKASOV, V.F.; FILATOV, P.P.; YELASHOV, Yu.G.;
CHERNYACHOVSKAYA, A.K.; SAYENKO, S.F.

Scientific research on radiobiology, clinical radiology and
roentgenology conducted in the institutes of the Academy of
Medical Sciences of the U.S.S.R. in 1964. Vest. AMN SSSR
20 no.9:3-10 '65. (MIRA 18:11)

1. Institut meditsinskoy radiologii AMN SSSR, Obninsk.

YELATKOVSKAYA, D.A.

LYUBETSKAYA, M.Z.; YELATKOVSKAYA, D.A.

Treatment of dysentery with gramicidin and sulfidin. Sovet. med.
no.10:36-37 Oct 1951. (CIML 21:1)

1. Tashkent.

YELATKOVSKY, A. P.; SHUSTOV, V. A.

Stantsionnyi Raspredelitelnyi Shchit i Iemeritelnye Pribovy (Stationary Electricity Supply Distributing Panel and Measuring Instruments), 39 p., Moscow, 1949.

YELATKOVSKIY, A. P.

N/5
735.9
.E31

Elektrooborudovaniye sel'skikh i elektricheskikh ustanovok (Electric equipment of rural electric power stations) Moskva, sel'khozgiz, 1953.

399 P. Diagrams.

Bibliography: P. 398

YELATOMSEV, V.

Multipurpose measuring device with a tube tester. Radio no.5:49-53
My '60. (MIRA 13:12)
(Electronic measurements)

YELATOMTSEV, V.

A simple stereophonic radio-phonograph combination. Radio no.1:
46-48 Ja '63. (MIRA 16:1)
(Stereophonic sound systems)

YELATOMTSEV, V.

Design data for a simple stereophonic radio phonograph. Radio
no. 3:26-27 Mr '63. (MIRA 16:2)
(Stereophonic sound systems)

YELATOMSEV, Vladimir Ivanovich; TREYGER, M.S., red.; SHIROKOVA, M.M., tekhn. red.

[Universal measuring device with a transistor and electron-tube tester] Universal'nyi izmeritel'nyi pribor s ispytatem radiolamp i tranzistorov. Moskva, Gos. energ.izd-vo, 1961. 39 p. (Massovaya radiobiblioteka, no.410) (MIRA 15:3)

(Transistors--Testing) (Electron tubes--Testing)
(Electronic measurements)

YELAYEV, M.E.

Prolapse of the small intestine through an intraperitoneal tear of the rectum and through the anus. Khirurgiia 34 no.7:118-119 (MIRA 11:9)
J1 '58

1. Iz Penzenskoy oblastnoy sanitarno-aviatsionnoy stantsii (zav.
M.E. Yelayev).

(INTESTINE, SMALL, diseases
prolapse through tear in rectum & through anus (Rus))

(RECTUM, wounds and injuries
tear in rectum allowing small intestine to prolapse
into rectum & through anus (Rus))

YELAYEV, N.R.; RYKHLIK, I.

Comparative study of cytoplasmic and nuclear ribosomes in the rat liver. Biokhimiia 28 no.6:1047-1052 N-D'63 (MIRA 17:1)

1. Laboratory of Protein Chemistry, State University, Leningrad and Institute of Organic Chemistry and Biochemistry, the Czechoslovakian Academy of Sciences, Prague.

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001962520012-3

YELAYEV, N.R.

Mitochondrial ribosomes. Vest. LGU 19 no.3:167-170 '64.
(MIRA 17:3)

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001962520012-3"

YELAYEV, N.R.

Study of the metabolic activity of cytoplasm, nuclear and mitochondrial ribosomes. Biokhimiia 29 no.3:413-419 My-Je '64. (MIRA 18:4)

1. Institut organicheskoy khimii i biokhimi Chechoslovatskoy akademii nauk, Praga. Mesto postoyannoy raboty - Laboratoriya khimii belka Lenigradskogo gosudarstvennogo universiteta.

GONCHAR, V. Yu.; YEL'BAKHEY, A. Z.; ZALYUBOVSKIY, I. I.; LUTSIK, V. A.; MOKHAMED, M.F.A.;
KHUSEYN, M. N.

"Investigation of proton groups from the reactions $F^{19}(d,p)F^{20}$."
report submitted for All-Union Conf on Nuclear Spectroscopy, Tbilisi, 14-22
Feb 64.

Atomic Comm, OAR, g. Kair.

BENUNI, A. Kh.; YEL'BISINOV, S. Kh.; ZHUK, M. G.

Use of electron computer techniques for technical and economic
calculations in nonferrous metallurgy. TSvet. met. 35 no.10:4-8
0 '62. (MIRA 15:10)

{Electronic calculating machines)
(Nonferrous metal industries)

GAVRILOVA, Kapitolina Vladimirovna; ZONOV, S.K., retsenzent;
YEL'BISINOV, S.Kh., red.; SYRCHINA, M.M., red. izd-va;
MAL'KOVA, N.T., tekhn.red.

[Business accounting in the workshops of copper smelting plants]
Vnutritsekhovoi khozraschet na medeplavil'nykh zavodakh.
Sverdlovsk, Metallurgizdat, 1963. 49 p. (MIRA 16:6)
(Copper industry—Finance)

BEVNIK, A.Kh., prof.; YEL'BUZIN, N.M., cand.

Determining the efficiency of dressing nonferrous metal ores in heavy suspensions. Izv.vys.schob.suv.;gor.zhur. 7 no.9:58-62 '64.

(MIRA 1811)

Ural'skiy politekhnicheskiy institut imeni S.M.Kirova. Rekachendovana kafedroy ekonomiki tovratnoy metallurgii.

TSIBIZOV, Nikolay Ivanovich; YEL'CHANINOV, A.I., inzh., retsentsent;
ODEROV, I.A., red.; ORESHKINA, V.I., tekhn. red.

[Techniques for the mechanization of the manufacture and
control of bunched electrical conductors] Sredstva mekhanizatsii
izgotovleniya i kontrolya zhgutov elektroprovodov.
Moskva, Oborongiz, 1962. 238 p. (MIRA 15:11)

(Electric wire)

(Electric wire and cable industry)

ACC NR: AP6025599

SOURCE CODE: UR/0413/66/000/013/0040/0040

INVENTOR: Yel'chaninov, N. N.

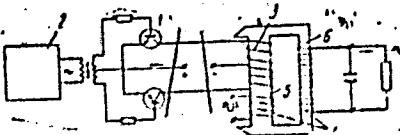
ORG: none

TITLE: Static dc-to-ac converter. Class 21, No. 183268

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 13, 1966, 40

TOPIC TAGS: transistorized circuit, dc to ac converter, ~~rotary electric~~
~~power converter electric transformer~~
ABSTRACT: This Author Certificate presents a static dc-to-ac converter connected as a full-wave circuit of transistors controlled from a master oscillator and connected to the primary of a power transformer (see Fig. 1).

Fig. 1. 1 - transistors; 2 - master oscillator;
3 - primary of power transformer; 4 - secondary
of power transformer; 5 - larger section of
magnetic conductor; 6 - smaller section of
magnetic conductor



To obtain two voltages of the same frequency and of rectangular and sinusoidal form at the transformer output, the magnetic conductor of the power transformer has a variable cross section core with two secondary windings. One secondary is wound together with the primary on the larger section of the magnetic conductor operating in the unsaturated mode. The other secondary is wound on the smaller section of the magnetic conductor operating in the saturated mode. To stabilize the output

UDC: 621.314.572:621.316.722.1

Card 1/2

ACC NR: AP6025599

sinusoidal voltage, a capacitor is connected in parallel to the secondary wound on the smaller section of the magnetic conductor forming a ferroresonance circuit.
Orig. art. has: 1 diagram.

SUB CODE: 09/ SUBM DATE: 26Jul63

Card 2/2

YEL'CHANINOV, V.V.

Q

USSR/Farm Animals. General Problems.

Abs Jour: Ref Zhur-Biol., No 17, 1958, 78667.

Author : Milovanov, V. K.; Smirnov-Ugryumov, D.V.;
Yel'chaninov, V. V.

Inst : ~~Belated~~ "Refutations" of Artificial Insemination.
Title : On Belated "Refutations" of Artificial Insemination.

Orig Pub: Zhivotnovodstvo, 1957, No 9, 7-19.

Abstract: Objections are critically analyzed which have been raised against the expediency of the use of artificial insemination in animal breeding. S. S. Perov objects on the principle of the "sex selection" of Darwin. According to A. A. Mashkovtsev, the method of artificial insemination is contrary to the teachings of Pavlov on conditioned reflexes, decreases fertilization, and impairs the

Card : 1/3

1

USSR/Farm Animals. General Problems.

Q

Abs Jour: Ref Zhur-Biol., No 17, 1958, 78667.

function of reproduction. P. K. Anokhin could not show the presence of hereditary-signal stimulators in adult mammals. N. A. Flegmatov and Shipilov consider that in artificial insemination of cows, low fertility is observed (not over 55%). The authors of this article refute the objections raised, and defend the method of artificial insemination both on the basis of data obtained and from the viewpoint of Pavlov's teaching. In England the fertilization of cows (1 million) in first heat is 68%; in the USA ~70%; for the UrSSR in 1956 the average for the first heat was 76%. The rapid formation of conditioned sex reflexes in cows, the dura-

Card : 2/3

USSR/Farm Animals. General Problems.

Q

Abs Jour: Ref Zhur-Biol., No 17, 1958, 78667.

tion of their preservation and their great
changeability is pointed out.

Card : 3/3

2

YEL'CHANINOV, V.V.

Effect of various types of feed on nervous functions in animals.
Dokl. Akad. sel'khoz. 23 no.2:37-40 '58. (MIRA 11:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhivotnovodstva.
Predstavlena akademikom V.K. Milovanovym.
(Rabbits--Feeding and feeding stuffs) (Nervous system)

YEL'CHAMINOV, V.V., ^{Chad} Biol Sci —(disc) "Effect of ^{the} type of
nutrition ^{upon} the functional state of the nervous system and upon the
sexual reflexes of males and females." Nos, 1979. 16 pp (All-Union
Order of Lenin Acad ^{of} Agr Sci in V.I. Lenin. All-Union Scientific
Research Inst of Animal Husbandry), 150 copies (FI,30-19,119)

-14-

YEL'CHANINOV, V.V.

"Increasing the fertility in farm animals"; collection of
articles. Reviewed by V.V.El'chaninov. Zhivotnovodstvo 21
no.9:92-95 S '59. (MIR 13:1)

1. Zaveduyushchiy Yaroslavskoy gosudarstvennoy stantsiye
iskusstvennogo osemeneniya.
(Stock and stockbreeding)

YEL'CHANINOV, Ye.A., inzh.

Machine for whitewashing mine workings. Bezop. truda v prcm.
8 no.9:50 S '64 (MIRA 18:1)

1. Noril'skiy gornometallurgicheskiy kombinat imeni A.P.Zaven-
yagina.

TELCHANINOV, Ye.V.

Plans for transfer points of subways. Nauch.dokl.vys.shkoly;
stroi. no.1:203-213 '59. (MIA. 12:10)

1. Rekomendovana kafedroy arkhitekturnogo proyektirovaniya Lenin-
gradskogo inzhenerno-stroitel'nogo instituta.
(Subways)

LEVIN, A.I.; SEMENYUK, L.O.; YELCHANINOVA, B.V.

Rectification of synthetic fatty acids and alcohols. Trudy
VNIINeftekhim no.1:5-43 '60. (MIRA 14:1)
(Acids, Fatty) (Alcohols)
(Distillation, Fractional)

LEVIN, A.I.; YELCHANINOVA, B.V.

Thermal stability of high molecular weight fatty acids.
Trudy VNIIneftekhim no.5:139-143 '62. (MIRA 15:7)
(Stearic acid--Thermal properties)

USSR / Cultivated Plants. Fodders.

M-4

Abs Jour: Ref Zhur-Biol., No 6, 1958, 25105

Author : Yel'chaninova, N. N.

Inst : Not given

Title : The Times and Methods of Harvesting Sudan Grass
Raised for Seed

Orig Pub: S. kh. Povolzh'ya, 1957, No 6, 51-54

Abstract: According to the information of the Kinel'skaya Selection Station, in year with inadequate precipitation and high temperatures the best results were gotten from harvesting Sudan grass at the time of full seed ripening in the main panicles. In years when there is enough moisture and moderate temperature during the ripening period, the biggest seed yields were gotten when harvesting at the latest times (5-10 days later than in the previous case). -- V. V. Koperzhinskiy

Card 1/1

94

COUNTRY : USSR

N-6

CATEGORY :

ABSTRACT : RZBiol., No. 12, 1958, No. 87117

AUTHOR : Sazanov, V. I.; Yel'channova, N. N.
INST. : All-Union Academy of Agricultural Sciences
TITLE : Some Problems of the Biology of Sudangrass.

ORIG. PUB. : 5okl. VASKNIL, 1957, No 12, 943

ABSTRACT : On studying the biological characteristics of sudangrass at the Knybyshev Agricultural Institute, it was ascertained that its root system penetrates the soil to a depth of 175 cm, and the amount of root residues in the tillage layer reaches 35-45 centners/hectare. At the beginning of October the sudangrass sod contained 6.2% of water resistant aggregates exceeding in size 0.25 mm; the corresponding values being 2.7% for foxtail millet, 6.2% for first year alfalfa, and 17.4% for second year alfalfa. The presence of both bisexual and male flowers on sudangrass increases the amount and variety of pollen and promotes vigorous offspring. Germination of seeds formed

CARD:1/2

Imeni Lenin. Knybyshev Agricultural Inst.

Country : USSR
CATEGORY :

M-6

ABS. JOUR. : RZBiol., No. 19, 1959, No. 27117

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : on different stalks is not equal. After storage of the seeds for 15 years the laboratory and field germination was decreased by 18%; after 5 years it was decreased by 4 and 2%, respectively.-- Ye. A. Okorokova.

CARD: 2/2

TEL'CHINNOVA, N.N., Cand Agr Sci—(disc) "Certain problems of biology
~~Agricultural engineering~~ ⁴⁶⁹
and ~~technique~~ ^{ways} of cultivation of Sudan grass in Kuybyshev Oblast."
Voronezh, 1958. 18 pp (Min of Agr USSR. Voronezh Agr Inst), 150 copies
(KL, 44-58, 123)

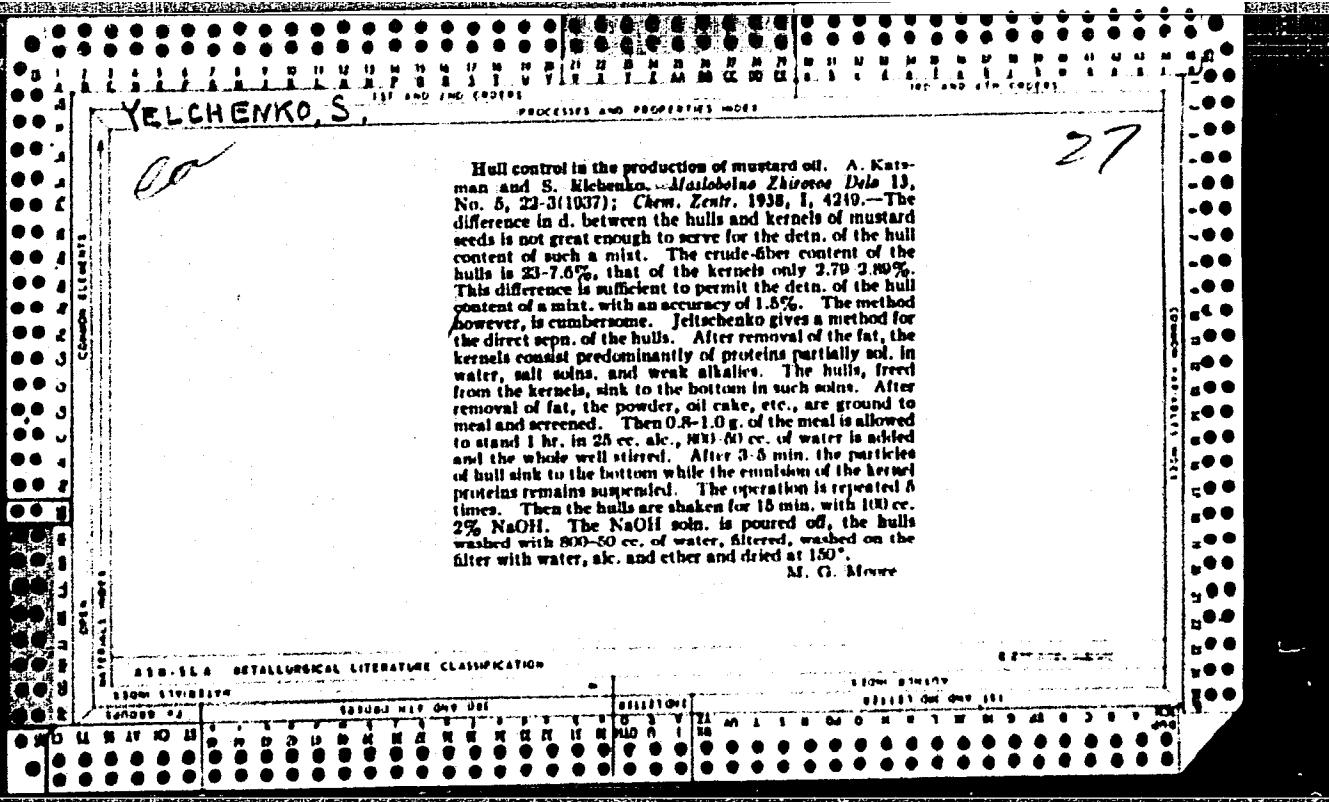
-52-

YEL'CHANINOVА, N. N.

TOPIC : УДРУ
CATEGORY : Cultivated Plants. Forage Grasses and Roots.
ABS. JURN. : RZBiol., No. 1, 1959, №.1716
AUTHOR : Bazarov, V.I.; Yel'chaninova, N.N.
TITLE : Agricultural Engineering of Sudan Grass in the Antsuy-
shevskaya Oblast
PUB. : Penza, 1958⁶, No. 3, 73-77
ABSTRACT : Results of the study, carried out by the Antsuyev Agricultural Institute and the Kinel'ski selection station during the years of 1951-1956, on the agricultural engineering of Sudan grass cultivation are presented. Tested were Kinel'skaya 90, Coasskaya 25 and Brodskaya 2 varieties. Data on the crops of hay and seeds is presented. Given are recommendations on pre-spring treatment of soils, dates and sowing procedures, application of fertilizers, and the reseeding of Sudan grass for hay and seeds.

100:

1/1



YEL'CHENKO, S.I., inzhener.

Increasing productivity of the MP-21 screw press and improving
the quality of processed soybeans. Masl.-zhir.prom. 19 no.7:31-
32 '54. (MIRA 8:1)

1. Bobruyskiy maslozavod.
(Soybean) (Power presses)

YEL'CHENKO, S. I., inzhener

Storage of expeller cake. Masl.-zhir.prom. 20 no.4:33-34 '55.
(MLRA 8:9)

1. Bobruyskiy maslozavod
(Oilseeds)

YEL'CHENKO, S. I., inzhener

Using centrifuges to separate fats from wastes with a high oil
content. Masl.-zhir.prom.21 no.6:26 '55. (MIRA 8:12)

1. Bobruyskiy maslozavod
(Centrifuges) (Oils and fats)

YEL'CHENKO, S.I., inzhener.

Milling high-grade flour from soybean cake. Masl.-zhir.prem.21
no.2:33-34 '56. (MLRA 9:7)

1. Bobruyskiy maslozavod.
(Soybean flour)

YUL'CHENKO, S.I., inzhener.

Recovery of soap from spent lyes. Masl.-zhir. oron. 17 no. 10:32 '52.

(MLRA 10:9)

1. Tsentral'naya nauchno-issledovatel'skaya laboratoriya Ukrayn-raszhirmalo.

(Soap)

YEL'CHENKO, S.I., inzhener.

Causes of errors in records for oilcake in warehouses. Masl.-zhir.
prom. 17 no.12:13 D '52. (MLRA 10:9)

1. TSentral'naya nauchno-issledovatel'skaya laboratoriya Ukruglov-
raszhirmaslo.
(Oil industries--By-products)

~~YEL'CHENKO, S.I.~~

Apparatus for the recovery of gases in the production of varnishes.
Masl.-zhir. prom. 23 no.3:33-34 '57. (MLRA 10:4)

1. Vitebskiy maslozavod.
(Varnish and varnishing) (Scrubber (Chemical technology))

YEL'CHENKO, Yu.,

Education by exploit. Komm. Vooruzh. Sil 4 no. 19:76-83
0 '63. (MIRA 17:7)

1. Pervyy sekretar' TSentral'nogo Komiteta Leninskogo
komunisticheskogo soyuza molodezhi Ukrayiny.

DEYEV, M.Ya., master; YELCHEV, G.A., slesar'; SNIGIREV, F.I., slesár'; NEKRASOV, V.G., slesar'; NAD'KIN, N.A., mashinist elektrovoza; OSHIVALOV, A.V., mashinist elektrovoza; PANCHENKO, P.M., mashinist elektrovoza.

Brush-holder units must be improved. Elek.1 tepl.tiaga 2 no.4:6-7
Ap '58. (MIRA 12:3)

1. Elektromashinnyy tsakh depo Zlatoust Yuzhno-Ural'skoy dorogi (for Deyev). 2. Depo Zlatoust-Yuzhno-Ural'skoy dorogi (for all except Deyev).

(Electric brushes) (Electric railway motors)

S/080/61/034/004/011/012
A057/A129

AUTHORS: Goryayev, M. I., Tolstikov, G. A., Yel'chibekova, L. A.

TITLE: On the preparation of monoperphthalic acid

PERIODICAL: Zhurnal prikladnoy khimii, v. 34, no. 4, 1961, 946 - 947

TEXT: In the present paper a method for preparation of monoperphthalic acid is described, based on an improvement of the method presented by E. Royals and L. Harrell (Ref. 3: J. Am. Chem. Soc., 77, 3405, 1955). Monoperphthalic acid is used, as well as perbenzoic acid, for epoxidation of unsaturated compounds. Monoperphthalic acid is usually prepared by H. Boehme's method (Ref. 1: Ber., 70, 379, 1937), but this method has some disadvantages. Royals and Harrell's method is based on mixing phthalic anhydride, 30 % hydrogen peroxide and diethyl-ether at room temperature for 24 hours. The present authors tested this method and observed that the indicated yield of 65 % can be attained already after a time of mixing of only 6 hours. If the procedure is carried out at 30 - 35°C a yield of 65 - 70 % is obtained in 3 - 4 hours. Increasing the used hydrogen peroxide amount to a double amount makes possible to obtain monoperphthalic acid with a 63 - 65 % yield after mixing for 1 hour at 30 - 35°C. The following proce-

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On the preparation of monoperphthalic acid

S/080/61/034/004/011/012
A057/A129

dure was carried out in the present experiments: After mixing the three components for a certain time at a given temperature (see table) the ethereal layer was washed 3 - 4 times with 40 % ammonium sulfate solution and dried with calcinated sodium sulfate. The amount of active oxygen was determined iodometrically. Extraction of the aqueous layer with ether increase the monoperphthalic acid yield by 4 - 5 %. In all experiments 30 g (0.2 mole) phthalic anhydride and 200 ml ether were used. Monoperphthalic acid obtained by one of the procedures (see table) was used for the oxidation of cedrene by the following method 40.8 g (0.2 mole) of cedrene was oxidized at 0°C in the ethereal solution of monoperphthalic acid, containing 3.50 g (0.22 mole) of active oxygen. The mixture was left to stand at 0°C for 24 hours, the precipitated phthalic acid was filtered off and washed with ether, then the ethereal solution was washed several times with 5 % NaOH solution and subsequently with water, and was dried with sodium sulfate. After vacuum distillation 39.7 g (90 %) of cedrene oxide with a boiling point of 121 - 121.5°C (5 mm), $n_D^{20} = 1.4962$, $d_4^{20} = 1.0032$, $[\alpha]_D^{20} = 81.2^\circ$ was obtained. There is 1 table and 4 references: 2 Soviet-bloc and 2 non-Soviet-bloc.

SUBMITTED: July 16, 1960

Card 2/3

YEL'CHIN, B.; SHNEYDER, V., kandidat ekonomicheskikh nauk.

Prospective development in the production of roofing materials.
Stroi.mat.izdel. i konstr. 1 no.12:21-22 D '55. (MLRA 9:7)
(Roofing)

Yel'chin, B. M. "Seasonal declines in the work of year-round red brick plants and the construction of clay warehouses", Vest. stroit. materialy, 1946, Issue 5, p. 3-8.

SO: U-2888, 12 Feb. 53, (Letopis' Zhurnal 'nykh Statey, No. 2, 1949).

YEL' CHIN, B. M.

USSR /Chemical Technology. Chemical Products
and Their Application

I-12

Silicates. Glass. Ceramics. Binders.

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 31564

Author : Yel'chin B.M.

Title : Automatic Factory for the Production of Clay Brick

Orig Pub: Byul. stroit. tekhniki, 1954, No 5, 15-16

Abstract: No abstract.

Card 1/1

YEL'CHIN, B.M., kand.ekonom.nauk

Study of the economic effectiveness of modern roofing for atticless
industrial buildings, roofing made of waterproof material and
asbestos cement. Trudy NIIAsbestsementa no.12:80-93 '61.
(MIRA 16:8)
(Roofing, Asbestos cement)

YEL'CHIN, B.M., kand. ekon. nauk; ROZEN, O.B., kand. tekhn. nauk;
GUZMAN, M.A., red.izd-va; BOROVNEV, N.K., tekhn. red.

[Bituminous roofing and waterproofing materials industry]
Promyshlennost' bituminoznykh krovel'nykh i gidroizolatsionnykh
materialov; sostoianie i perspektivy razvitiia. Moskva, Gos-
stroizdat, 1963. 186 p. (MIRA 16:5)
(Roofing, Bituminous) (Waterproofing)

YELCHIN, M.

"The Conditions of the Linear System of the 2nd Order Possessing Two Zeros (One Solution),"

Dok. AN, 51, No. 8, 1946. cl946-.

YU. L. CHUIN

AVRASIN, Ya.D., kandidat tekhnicheskikh nauk; BERG, P.P., professor, doktor tekhnicheskikh nauk, BERNSTEYN, M.L., kandidat tekhnicheskikh nauk; GEMEROZOV, P.A., starshiy nauchnyy sotrudnik; GLINER, B.M., inzhener; DAVIDOVSKAYA, Ye.A., kandidat tekhnicheskikh nauk; YELCHIN, P.M., inzhener; YEREMIN, N.I., kandidat fiziko-matematicheskikh nauk; IVANOV, D.P., kandidat tekhnicheskikh nauk; YOROZ, L.I., inzhener; KOBRIK, M.M., kandidat tekhnicheskikh nauk; KORITSKIY, V.G., dotsent; KROTKOV, D.V., inzhener; KUDRYAVTSEV, I.V., professor, doktor tekhnicheskikh nauk; KULIKOV, I.V., kandidat tekhnicheskikh nauk; LEPETOV, V.A., kandidat tekhnicheskikh nauk; LIKINA, A.F., inzhener; MATVEYEV, A.S., kandidat tekhnicheskikh nauk; MIL'MAN, B.S., kandidat tekhnicheskikh nauk; PAVLUSHKIN, N.M., kandidat tekhnicheskikh nauk; PIITSYN, V.I., inzhener [deceased]; RAKOVSKIY, V.S., kandidat tekhnicheskikh nauk, RAKHSHTADT, A.G., kandidat tekhnicheskikh nauk; RYABCHENKOV, A.V., professor, doktor khimicheskikh nauk; SIGOLAYEV, S.Ya., kandidat tekhnicheskikh nauk; SMIRYAGIN, A.P., kandidat tekhnicheskikh nauk, SUL'KIN, A.G., inzhener; TUTOV, I.Ye., kandidat tekhnicheskikh nauk, KHRUSHCHOV, M.M., professor, doktor tekhnicheskikh nauk; TSYPIN, I.O., kandidat tekhnicheskikh nauk; SHAROV, M.Ya., inzhener; SHERMAN, Ya.I., dotsent; SHMELEV, B.A., kandidat tekhnicheskikh nauk; YUGANOVA, S.A., kandidat fiziko-matematicheskikh nauk; SATEL', E.A., doktor tekhnicheskikh nauk, redaktor; SOKOLOVA, T.F., tekhnicheskii redaktor

[Machine builder's reference book] Spravochnik mashinostroitelia; v shesti tomakh. izd-vo mashinostroit. lit-ry. Vol.6. (Glav. red.toma E.A.Satel'. Izd. 2-oe, ispr. i dop.) 1956. 500 p. (MLRA 9:8)
(Machinery--Construction)

ГЕЛЕМЕ, 1956

✓ TITARENKO, Ivan Ivanovich; YALGIN, Pavel Mikhaylovich; UDALTSOV, A.N.,
glavnnyy redaktor; KHIMCHENKO, N.V., kandidat tekhnicheskikh nauk,
redaktor

[Powerful sharp-focus X-ray tube with rotating anode. Magnetic
scales for determining ferrite in austenite steel] Moshchnaia
ostrofokusnaia rentgenovskaya trubka s vrashchayushchimisya
anodom. Magnitnye vesy dlja opredelenija ferrita v austenitnykh
staliakh. Tema 3, no. P-56-451. Moskva, 1956. 17 p. (MLRA 10:4)

1. Akademiya nauk SSSR. Institut tekhniko-ekonomiceskoy
informatsii.

(X rays--Apparatus and supplies) (Ferrite(Steel constituent))

YELCHIN, P.M.

137-58-3-6193

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 3, p 250 (USSR)

AUTHOR: Yelchin, P.M.

TITLE: Determination of Ferrite in Austenite Steels by Means of a Magnetic Balance Scale (Opredeleniye ferrita v austenitnykh stalyakh magnitnymi vesami)

PERIODICAL: V sb. Fiz.-khim. issled. austenitn. splavov. Moscow, Mashgiz, 1957, No. 84, pp 241-244

ABSTRACT: The author describes a method with the aid of which one can determine the amount of ferrite present in austenitic stainless steels by means of employing a magnetic balance (MB) to measure the force necessary to pull a permanent magnet away from the surface of the specimen (S) under investigation. The MB consists of an analytical balance with a permanent magnet suspended from one of its arms. The force effecting the separation of the magnet and the S is determined by means of balancing weights or is established from the inclination of the pointer at the instant of separation. The balance is calibrated prior to the tests by means of S's with different ferrite contents as determined by the ballistic method. An MB was employed to investigate the

Card 1/2

137-58-3-6193

: Determination of Ferrite in Austenite Steels by Means (cont.)

transformation of δ ferrite into σ -phase in a Cr-Ni steel (25 percent Cr and 10 percent Ni) at a temperature of 800°C . It is established that this transformation proceeds very rapidly in the first stage of the reaction and very slowly in the last stage. The MB's, it is noted, are very sensitive: the presence of even a very small amount of δ ferrite may evoke a 50-g force to separate the magnet from the S.

M.Sh.

Card 2/2

YELCHIN, P.

25(6) PHASE I BOOK EXPLORATION SOV/2555
 Nauchno-tekhnicheskoye obshchestvo priborostroitel'noy promyshlennosti. Ukrainskoye respublikansoye pravleniye priborostroeniya i kontrolyu konferentsii [New Methods of Inspection and Flow Detection in the Machinery and Instrument-Making Industries]. Reports of the Conference Held at Kiev, 1956. Kiev, Goschizdat USSR. 264 p. 4,700 copies printed.

Editor: A. Akslin; Tech. Ed.: P. Pashalyuk; Editorial Board: I. I. Griben', B. D. Groch, A. Z. Zmukalsky, G. M. Savin (Resp. Ed.), I. D. Payman (Dep. Resp. Ed.), and A. A. Shishkovskiy.

PURPOSE: This book is intended for engineers, scientific workers, and technicians dealing with problems of inspection and flow detection.

COVERAGE: This is a collection of scientific papers presented at a conference sponsored by the Academy of Sciences, U.S.S.R., and the nauchno-tekhnicheskoye obshchestvo priborostroeniya, naoy promyshlennosti, Ukrainskoye pravleniye (Kievian Branch, Scientific and Technical Society of the Instrument-manufacturing Industry). The papers deal with modern methods of inspection and flow detection used in the machinery- and instrument-manufacturing industries. The subjects discussed include the use of electron microscopes in the investigation of metal surfaces; X-ray, gamma-ray, luminescent, magnetic, and ultrasonic methods of flow detection; use of radioactive isotopes; X-ray diffraction methods of metal analysis; and determining the coefficient of linear thermal expansion. No papers are mentioned. References follow several of the

papers.

Editor: V.M. Gork'kii; Engineer, Gor'kii "Krasnoye Sormovo" Plant. X-ray Diffraction Quantitative Phase Analysis Using Standard X-ray Photographs

Author: Z. and I. M. Pakharchin, Candidate of Physical and Mathematical Sciences, Kiev State University; I. N. Shevchenko, Partia

Editor: N. M. Engrin, Engineer, Gor'kii Automobile Plant. Methods and Equipment for Luminescent Phase Detection

Author: N. M. Engrin, Engineer, Gor'kii Automobile Plant. Experience Gained at the Gor'kii Automobile Plant

Editor: N. I. Yerzhan, Candidate of Physical and Mathematical Sciences, New Developments in the Field of Magnetic Particle Flow Detection and Magnetic Metallography

Author: A. N. Zhigalov, Candidate of Technical Sciences, Institut, Phys. Methods and Equipment for Magnetic Inspection of Ferromagnetic Parts

Editor: V. A. Landa, Engineer, Moscow VNIIM. Instruments for a Magnetic Quality Control Method of the Heat Treatment of Tools Made from High-speed Steels

Author: S. D. Edikh, Candidate of Technical Sciences, Moscow TANITIMASH, Application of a Magnetic Method for Investigating Heat-treatable Austenitic Alloys

Editor: N. N. Sizikov, Candidate of Technical Sciences, and V. P. Trifilov, No. 1 Engineer, Kiev Electrical Welding Institute (KEMI), Moscow TANITIMASH. Ultrasonic Structural Analysis of Metals

Editor: A. M. Gurevich, Candidate of Technical Sciences, and I. N. Yermolov, Moscow TANITIMASH. Ultrasonic Flow Detection in Metals

Editor: A. M. Gurevich, Engineer, Leningrad NII of Bridges. Ultrasonic

YELCHIN, PM.

24(3)

PHASE I BOOK EXPLOITATION SOV/2332

Yeremin, Nikolay Ivanovich, and Pavel Mikhaylovich Yelchin

Magnetizm v tekhnike (Magnetism in Engineering) /Moscow/,
Moskovskiy rabochiy, 1959. 94 p. 12,000 copies printed.

Ed.: S. Gurov; Tech. Ed.: A. Lil'ye.

PURPOSE: This book is intended for the general reader

COVERAGE: The book explains in popular form the importance and uses of applied magnetism. The physical nature of magnetic phenomena is also explained in general terms. There is a reading list of 9 Soviet works on p. 95. No personalities are mentioned.

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Magnetism in Engineering	SOV/2332
Fields of Application of Magnetism	16
Magnetic Analysis	52
Magnetic Testing and Quality Control of Metal	64
Magnetic Fields in the Cosmos and in the Atom	80
AVAILABLE: Library of Congress (QC753.E7)	

Card 2/2

JP/ec
10-16-59

TEREMIN, N.I., kand.fiz.-mat.nauk; YELCHIN, P.M., inzh.; KOMAROVSKIY,
A.G., kand.tekhn.nauk; CHEBURKOVA, Ye.Ye., kand.tekhn.nauk;
SHMEL'EV, B.A., kand.tekhn.nauk; BENTIN, S.D., kand.tekhn.nauk

Physical and chemical methods for the investigation in the
phase analysis of alloys. [Trudy] TSNIITMASH 100:90-106
'59.

(Alloys)

YERAKHTIN, D.D., otv. za vyp.; YELCHINA, L.A., red.izd-va;
KAZANSKAYA, L.I., tekhn. red.

[Collected papers on the exchange of production and re-
search experiences in the lumbering industry] Sbornik
rabot po obmenu proizvodstvennym i nauchnym opyтом v les-
noi promyshlennosti. Moskva, Goslesbumizdat, 1963. 69 p.
(MIRA 17:3)

1. Nauchno-tekhnicheskoye obshchestvo lesnoy promyshlennosti
i lesnogo khozyaystva. Mariyskoye oblastnoye pravleniye.

SULIMOV, Filaret Ivanovich; GORBACHEV, Sergey Mikhaylovich;
KRETOV, Pavel Yevseyevich; LIOPEN'KIV, German L'vovich;
VELISHCHANSKIY, V.M., red.; YELCHINA, L.A., red.izd-va;
KAZANSKAYA, L.I., tekhn.red.

[Reorganization problems and forest management in Vologda
Province] Voprosy reorganizatsii i lesnoe khoziaistvo
Vologodskoi oblasti. Moskva, Goslesbumizdat, 1963. 74 p.
(MIRA 17:3)

NEMCHENKO, E.A.; FAYNBERG, E.Z.; SEREBRYAKOVA, Z.G.; ZABRAN, E.S.;
YELCHINA, N.V.

Comparative evaluation of avivage preparations by the data of
the measurement of the modulus of shearing. Khim. volok.
no.4:62-64 '65.

(MIRA 18:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo
volokna.

YELCHINA, V. I.; SIDOROV, A. A.

Laboratory vibratory feeder for fine powders. Zav. lab. 28
no.12:1527-1528 '62. (MIRA 16:1)

1. Transportno-energeticheskiy institut Sibirskogo otdeleniya
AN SSSR.

(Testing laboratories—Equipment and supplies)

YAVORSKII, I.A., doktor tekhn. nauk; ALAYEV, G.P.; OGENBAKH,
M.S.; YELCHIKOV, V.I.; SHILOVSKAYA, L.I., red.

[Effect of the structure of mineral coals on their combustion]
Vliyanie stroenii iskopaemykh uglei na ikh gorenie.
[By] I.A.Yavorskii i dr. Novosibirsk, Izd-vo Sibirskego
otd-niya AN SSSR, 1963. 175 p. (MIRA 17:8)

85610

5.3400 2209, 1153, 1321

S/079/60/030/007/026/039/XX
B001/B066AUTHORS: Zavgorodniy, S. V., Zaytsev, B. A., Yel'chinov, D. P.TITLE: Aryl-alkylation of Phenol With Styrene and α -Methyl Styrene

PERIODICAL: Zhurnal obshchey khimii, 1960, Vol. 30, No. 7, pp. 2196-2199

TEXT: The aryl-alkylation of phenols with aryl olefins has so far been given little attention, in spite of the practical importance of its reaction products (Ref. 1). The authors studied the reaction of phenol with styrene and α -methyl styrene, using the ethyl etherate of boron fluoride ($BF_3 \cdot (C_2H_5)_2O$) and boron fluoride with 75% orthophosphoric acid as catalysts.

In both cases aryl alkyl phenols resulted. Styrene gave a mixture of mono-^X, aryl and diaryl alkyl phenols (32 - 60% yield, according to conditions), α -methyl styrene p-hydroxy-diphenyl-dimethyl methane (60%), and a small quantity of resinous products whose composition could not be determined.

In both cases, aryl-alkylation is accompanied by polymerization of the aryl olefins, which is the main reaction in the case of styrene. α -Methyl styrene is more stable to polymerization, and is partially dimerized (in

Card 1/2

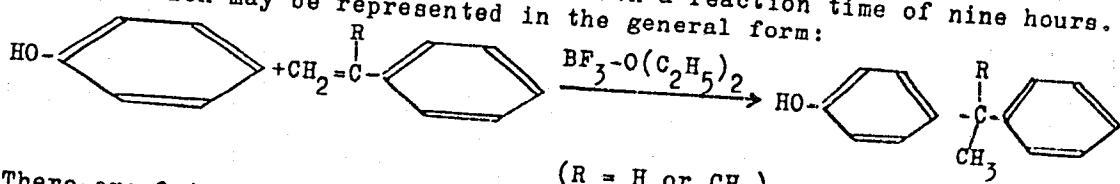
85610

Aryl-alkylation of Phenol With Styrene and α -Methyl Styrene

S/79/60/030/007/026/039/xx
B001/B066

addition to the formation of resinous polymerization products) to give the crystalline 1,1,3-trimethyl-3-phenyl indan which distills over together with p-hydroxy-diphenyl-dimethyl methane. The best yield of hydroxy-diphenyl-methyl methane was obtained at a molar ratio of 2 : 1 : 0.06 between phenol, styrene, and the ethyl etherate of boron fluoride, at a temperature of 95-97° and with a reaction time of two hours. In the reaction of phenol with α -methyl styrene in the presence of the above etherate, the best yield (60%) of p-hydroxy-diphenyl-dimethyl methane results at a molar ratio of 3 : 1 : 0.15, at 80-83° and with a reaction time of nine hours. \checkmark

This reaction may be represented in the general form:



There are 2 tables and 2 references: 1 Soviet and 1 German.

ASSOCIATION: Voronezhskiy gosudarstvennyy universitet
(Voronezh State University)

SUBMITTED: July 6, 1959
Card 2/2

MATEVOSYAN, R.O.; YEL'CHINOV, D.P.

Chemistry of free radicals of the hydrazine series. Part 29:
 α -2-thiazolyl- α -phenyl- β -picrylhydrazyl, α -(4-phenyl-2-thiazolyl- α -phenyl- β -picrylhydrazyl, α -(4,5-diphenyl-2-thiazolyl)- α -phenyl- β -picrylhydrazyl and their properties. Zhur. org. khim. 1 no.11:1914-1917 N '65.
(MIRA 18:12)

I. Ural'skiy politekhnicheskiy institut imeni S.M. Kirova.
Submitted November 5, 1964.